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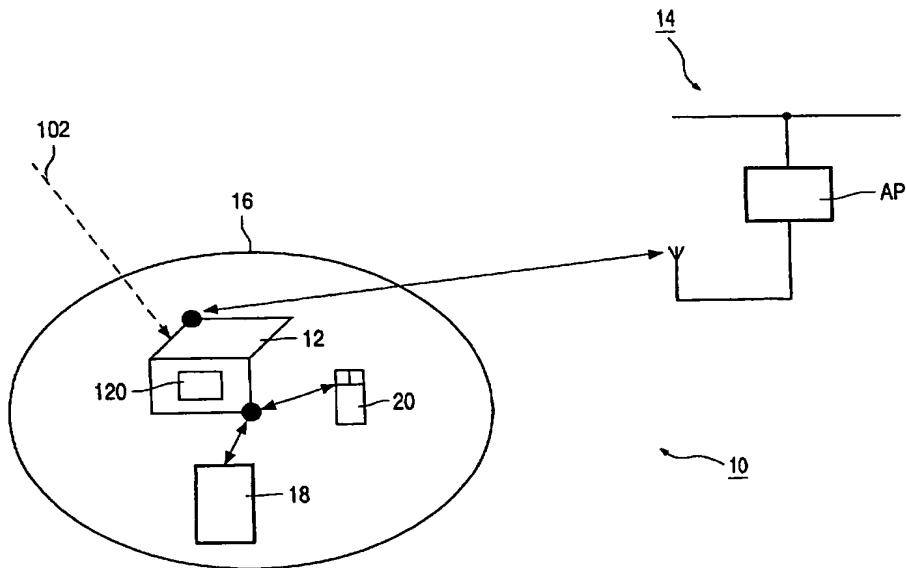
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(54) Title: WIRELESS TECHNOLOGY CO-EXISTENCE



(57) Abstract: Multi-mode hardware that supports both Wireless LAN and Wireless PAN standards in the 2.4Ghz ISM band are becoming available. This invention discloses a multi-standard wireless driver that includes a Multi-standard Wireless Adaptation Layer (M-WAL) with the capability to efficiently handle concurrent operation of multiple wireless transceivers while reducing mutual interference and matching application traffic requirements. The multi-standard Wireless Adaptation Layer is a virtual device driver that is not limited to networking applications but also takes other application profiles into account, such as those described in the Bluetooth standard.



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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MOBILIAN CORPORATION: "Wi-Fi and Bluetooth: An Examination of Coexistence Approaches" MOBILIAN CORPORATION, 2001, page 1-25, XP002285787 OREGON, USA	1,2,4, 11,12, 14-17
A	abstract; figures 1-4,7; table 1 page 4, line 1 - page 5, line 21 page 6, line 17 - page 7, line 24 page 10, line 1 - page 11, line 6 page 12, line 13 - line 37 page 23 ----- -/-	3,5-10, 13

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>MAHONEN P ET AL: "PLATFORM-INDEPENDENT IP TRANSMISSION OVER WIRELESS NETWORKS: THE WINE APPROACH" IEEE PERSONAL COMMUNICATIONS, IEEE COMMUNICATIONS SOCIETY, US, vol. 8, no. 6, December 2001 (2001-12), pages 32-40, XP001076793 ISSN: 1070-9916 abstract; figures 1-3,8 page 33, left-hand column, line 9 - line 56 page 33, right-hand column, line 1 - page 35, right-hand column, line 30 page 38, left-hand column, line 9 - right-hand column, line 27</p> <p>-----</p> <p>KAMERMAN ET AL: "Coexistence between Bluetooth and IEEE 802.11 CCK Solutions to avoid mutual interference" IEEE P802.11, XX, XX, 30 June 2000 (2000-06-30), pages 1-7, XP002256503 abstract; figure 1; tables 1,2 page 5, line 1 - line 10</p> <p>-----</p> <p>SHOEMAKE M B: "Wi-Fi (IEEE 802.11b) and Bluetooth: Coexistence Issues and Solutions for the 2.4 GHz ISM Band" TEXAS INSTRUMENTS WHITE PAPER, XX, XX, February 2001 (2001-02), pages 1-17, XP002242399 abstract; figures 4-10 page 13, line 1 - page 14, line 32</p> <p>-----</p>	1-17
A	<p>IEEE COMPUTER SOCIETY: "PART15.2-COEXISTENCE OF WIRELESS PERSONAL AREA NETWORKS WITH OTHER WIRELESS DEVICES OPERATING IN UNLICENCED BANDS" IEEE STD 802.15.2- 2003- IEEE RECOMMENDED PRACTICE FOR INFORMATION TECHNOLOGY-TELECOMMUNICATIONS AND INFORMATION EXCHANGE BETWEEN SYSTEMS-LOCAL AND METROPOLITAN NETWORKS-SPECIFIC REQUIREMENTS, 'Online' 28 August 2003 (2003-08-28), page 1-12,38-45,111-113, XP002292700 NEW YORK, USA ISBN: 0-7381-3703-0 Retrieved from the Internet: URL:http://standards.ieee.org/reading/ieee/std/lanman/restricted/802.15.2-2003.pdf> 'retrieved on 2004-08-17' page 1 - page 12 page 38 - page 45 page 111 - page 113</p> <p>-----</p>	1,10,16, 17
A		1-17
T		1-17